

Artificial Intelligence in Engineering-Jordan

Purdue Moves Scholarships available!

May 8-23, 2022

Open to all Engineering students,
Sophomores to Seniors

Overview

This course responds to the anticipated huge impact AI is expected to make on all aspects of engineering systems, including their preconceptual design, optimization, operation, safety and security. Recent years have shown a strong need to supplement educational curricula with courses that expose the details and functionalities of AI techniques, and help the students appreciate/assess their value for the various engineering applications.

Students

Students in any Engineering major may apply as long as they have reached at least sophomore status prior to departure. If you are unsure of the academic content, contact Prof. Abdel-Khalik.

Location

Jordan is one of the leading countries in the Middle East on exploring the use of nuclear power for civilian applications. JUST has the sole nuclear engineering program in Jordan and houses on campus the Jordanian Subcritical Assembly and the Jordanian Research and Training Reactor, both planned for site visits during this course.

Cultural Activities

Students will have the opportunity to visit famous sites such as:
Petra-An ancient city that dates back to the fourth Century B.C.
Aqaba-A beach area by the Red Sea
Wadi Rum- Spend the night in this protected desert wilderness where many famous movies have been filmed such as Star Wars-The Rise of Skywalker, The Martian, and Dune, among many others.
Weekend trip to Jerash and Umm Qais- Ancient cities that feature the Arch of Hadrian, the ruins of the walled Greco-Roman settlement of Gerasa, and beautiful views Golan Heights, Mt. Hermon and the Sea of Galilee.

Academic Details

Students earn 3 credits for NUCL 49700. This is a technical Elective for NE Students. All others must check with their academic advisor to see how this course can be used in their plan of study.

Cost

The program fee is estimated to be \$3,200 which includes: Group flight from Chicago, airport transfers in Jordan, hotel in Amman with daily transportation to JUST for academic activities, all ground transportation in Jordan, all activities and weekend cultural excursions on the itinerary, breakfast daily, a few dinners, academic credits, and international health insurance.

Additional expenses: Transportation to and from Chicago O'Hare, passport, Visa, personal activities, some meals, and personal spending money.

Contact: Jill Churchill churchil@purdue.edu for all non-academic questions such as payment, travel logistics, and scholarships

Contact: Prof. Hany Abdel-Khalik abdelkhalik@purdue.edu for

Information and Application link:



JUST